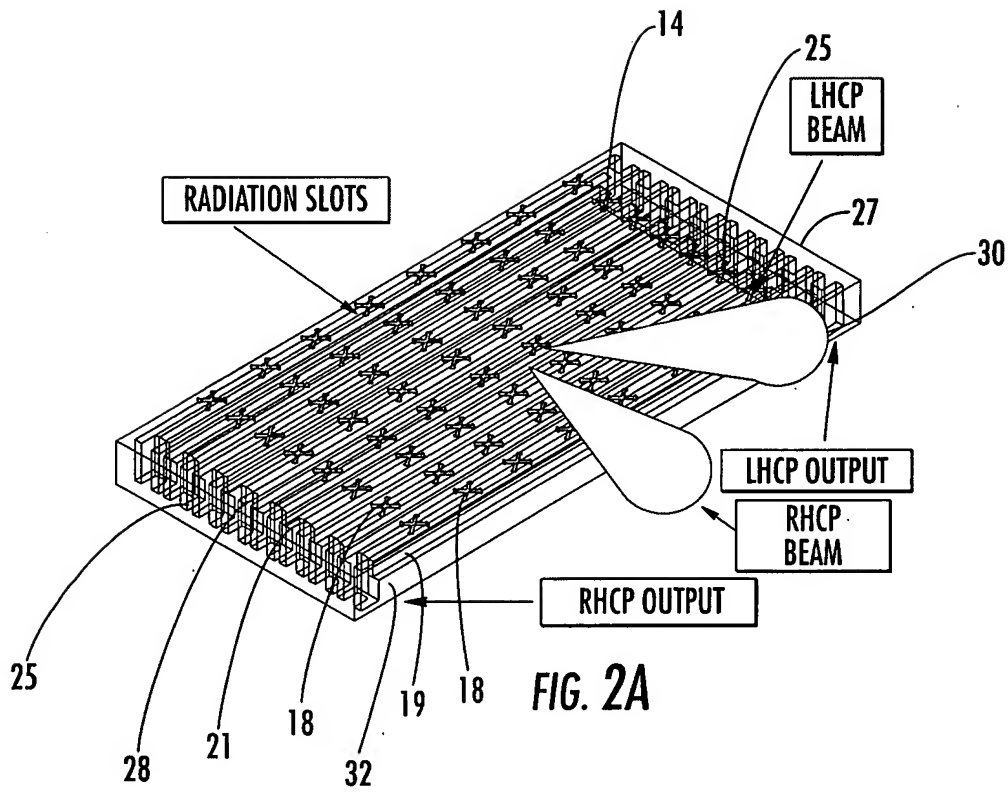
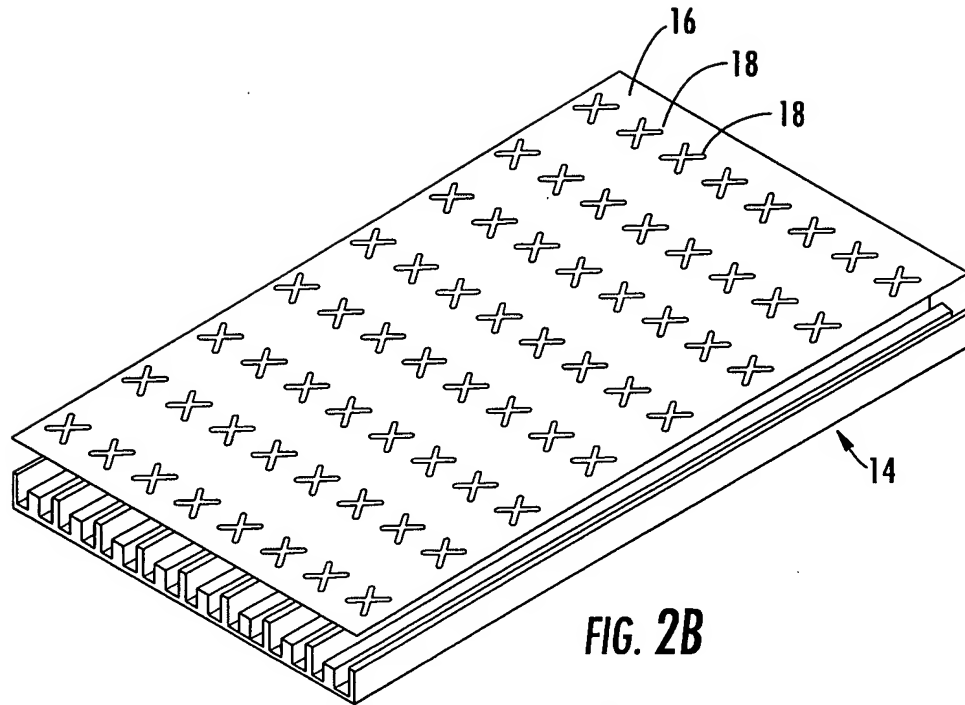
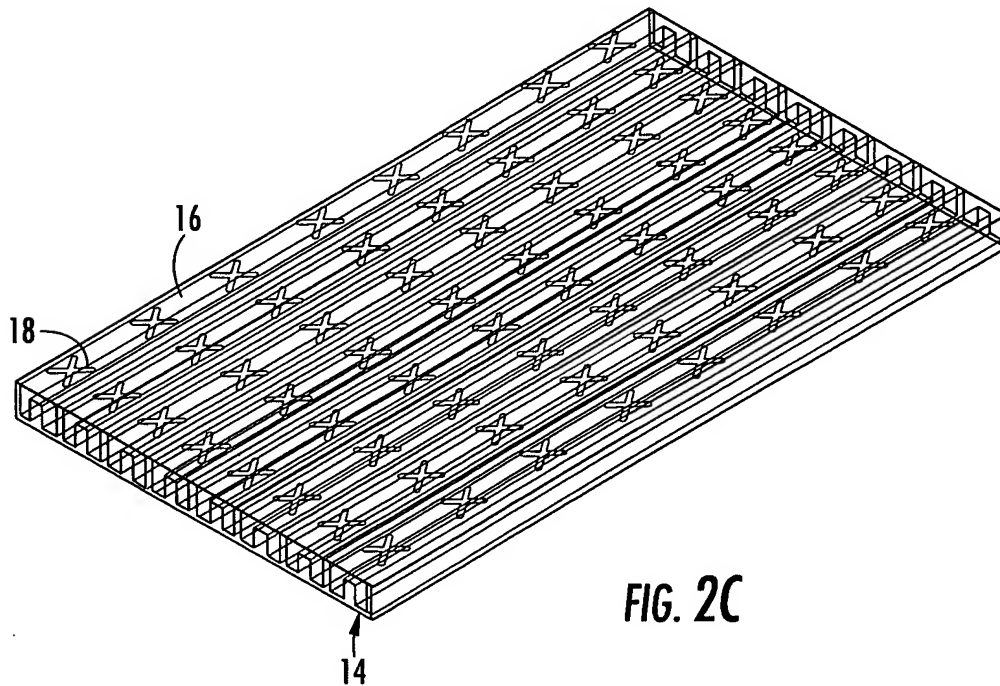


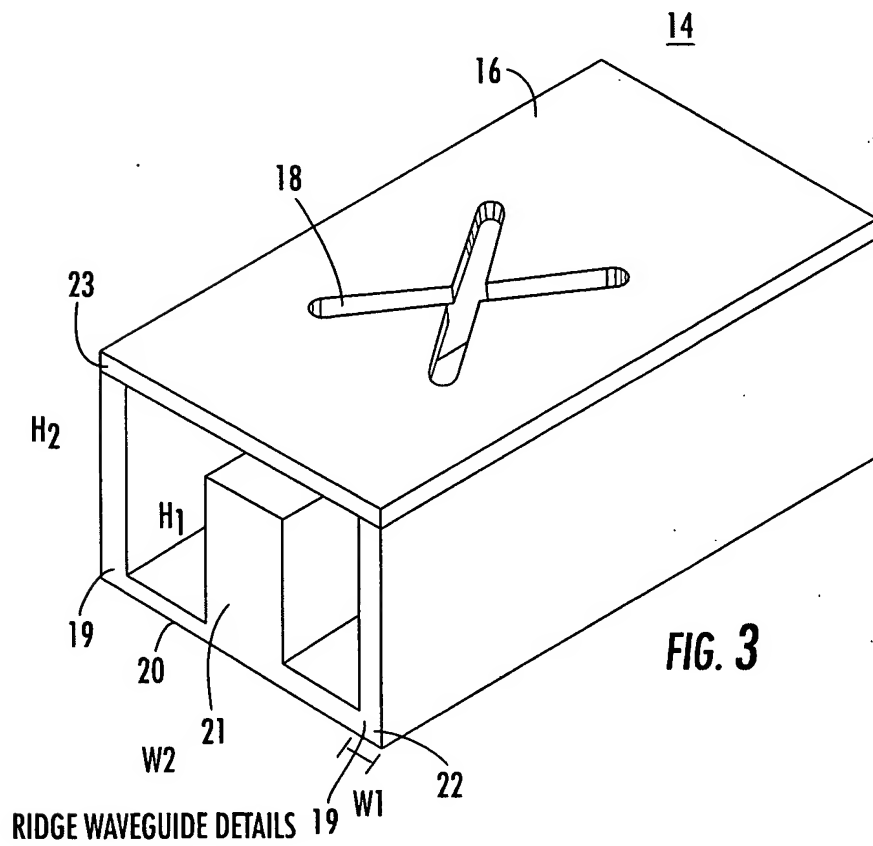
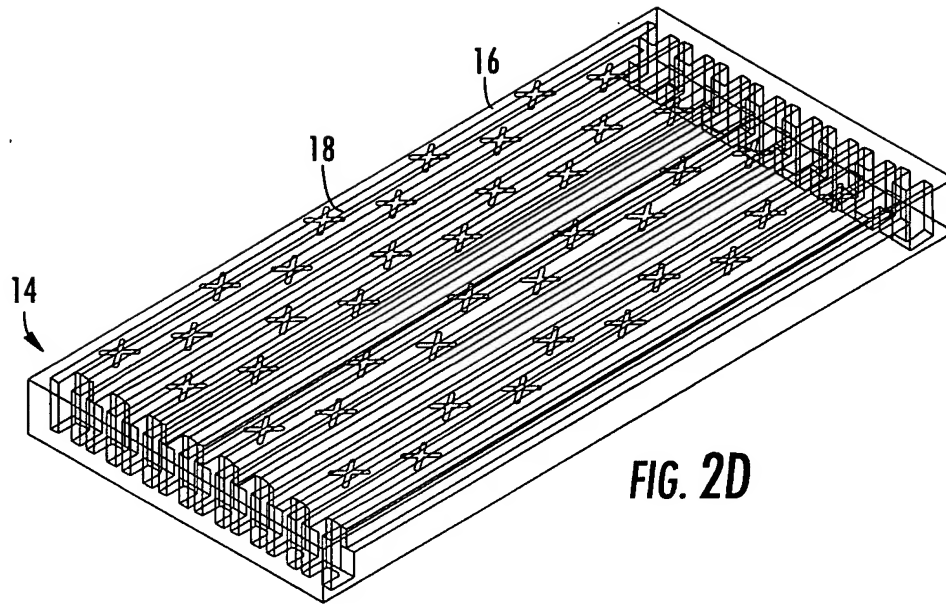
FIG. 1





RADIATING SURFACE AND WAVEGUIDE BODY DECOMPOSITION





RIDGE WAVEGUIDE DETAILS

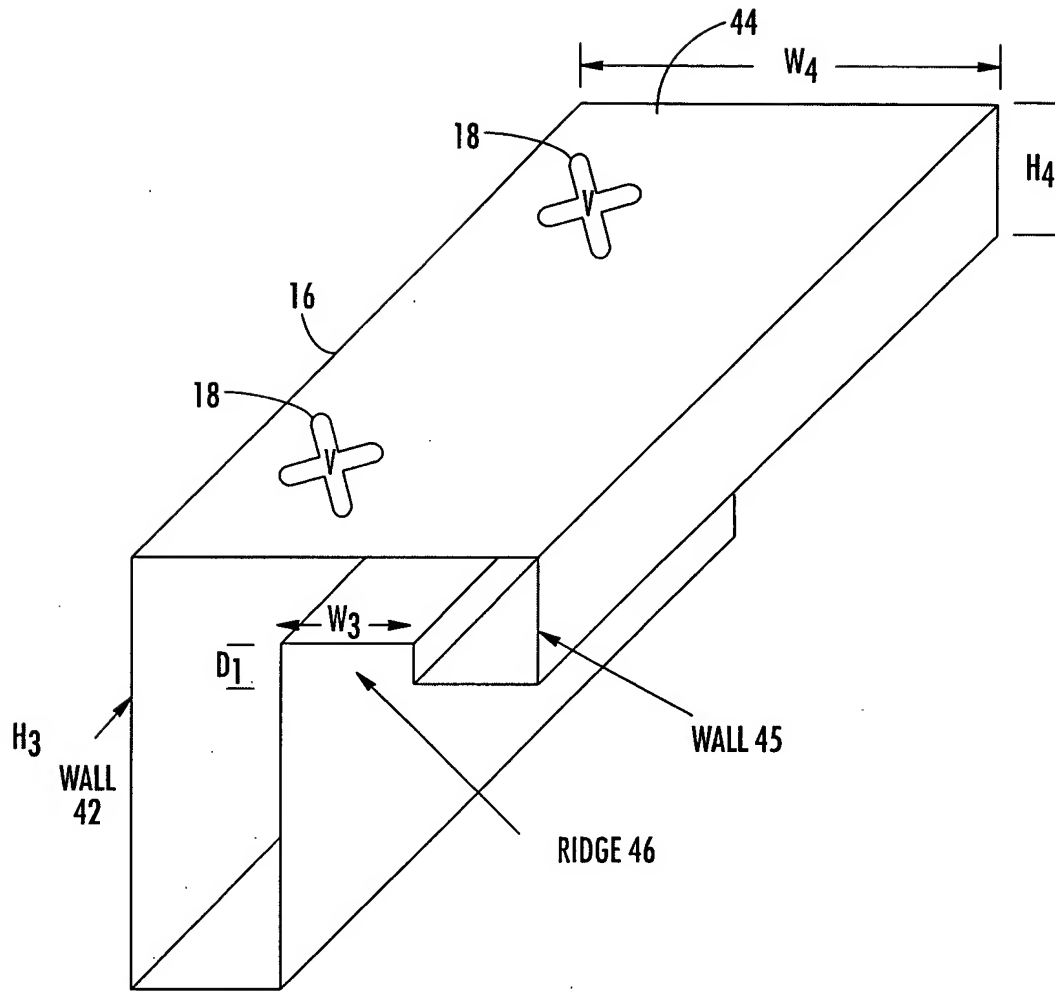


FIG. 4A

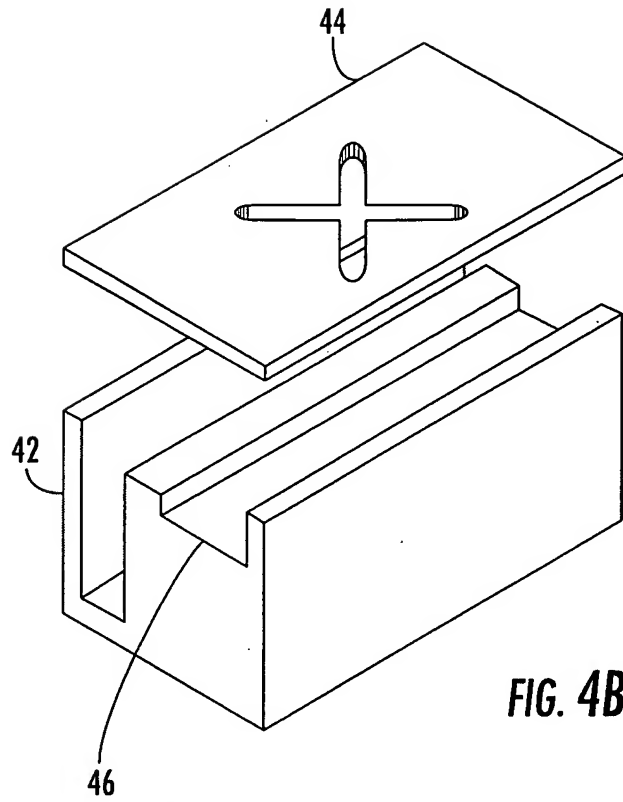
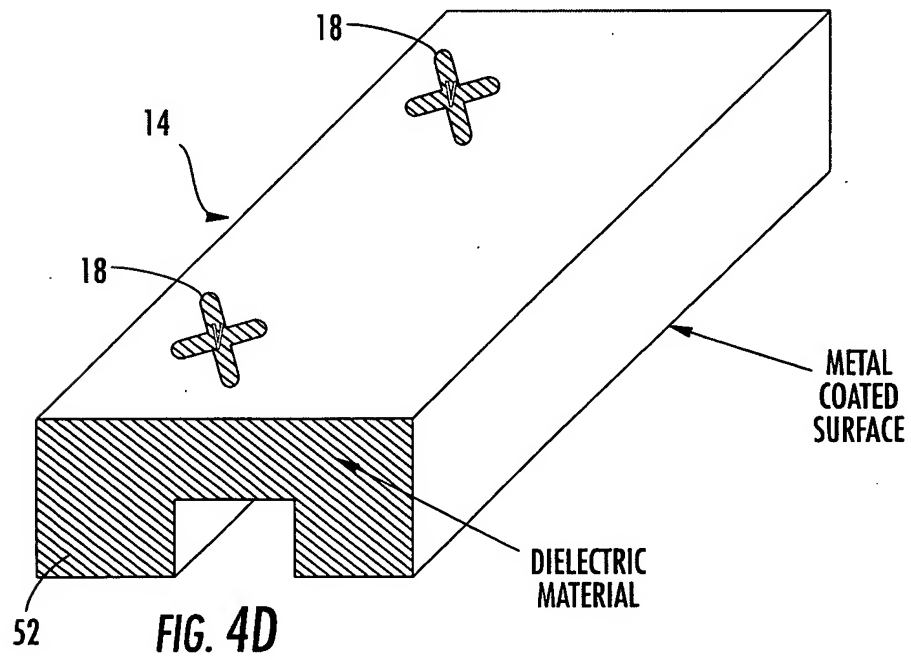
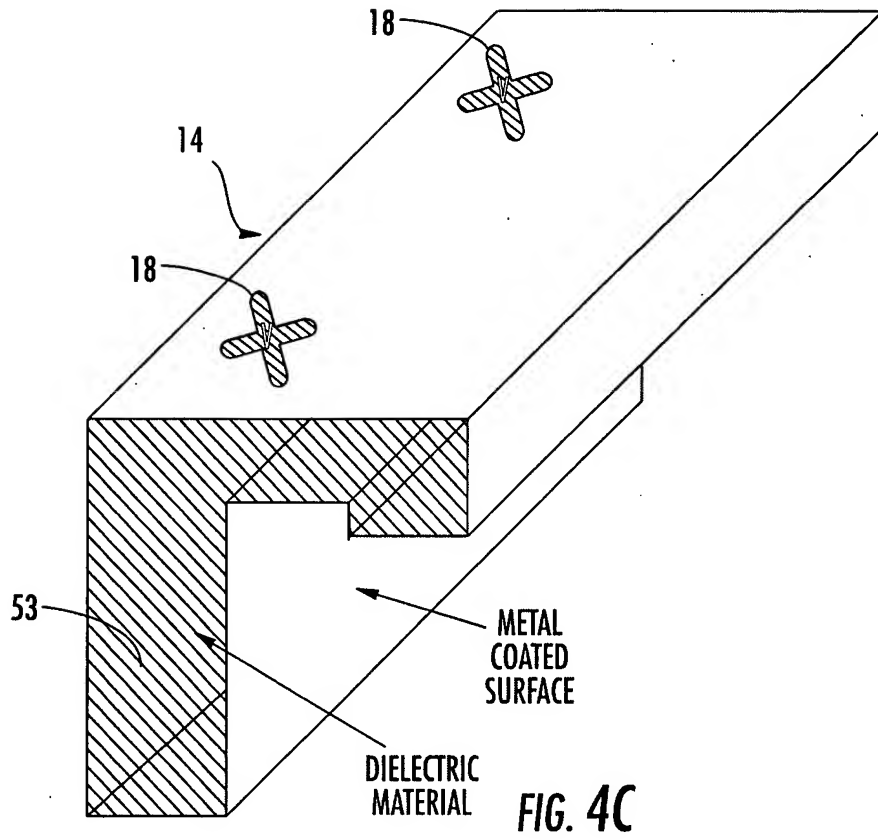
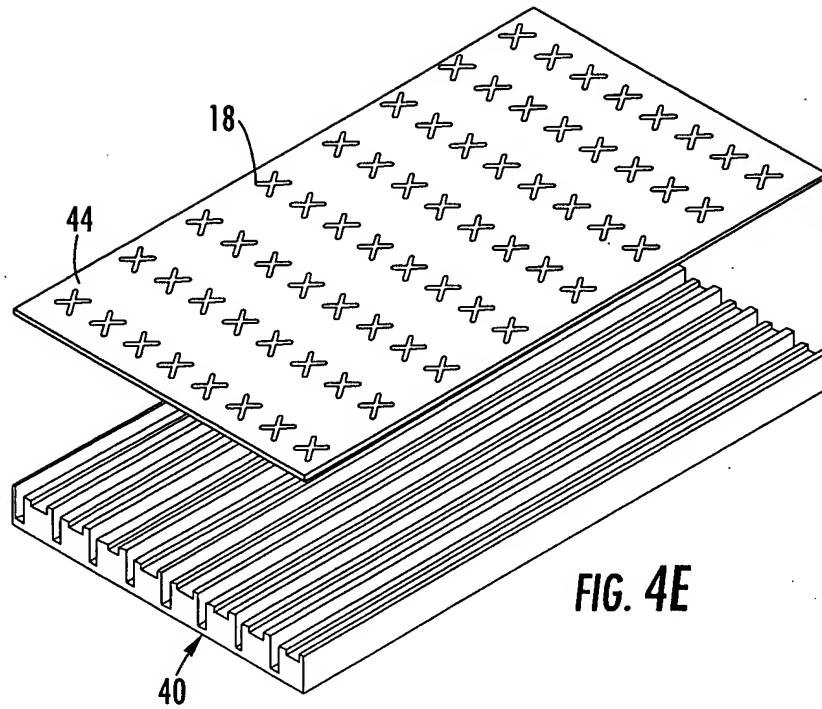


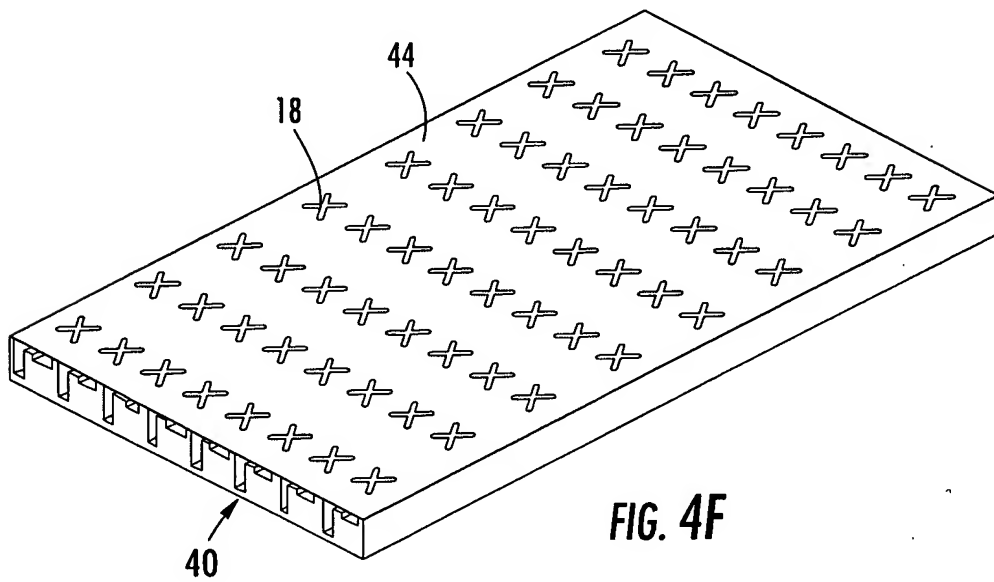
FIG. 4B

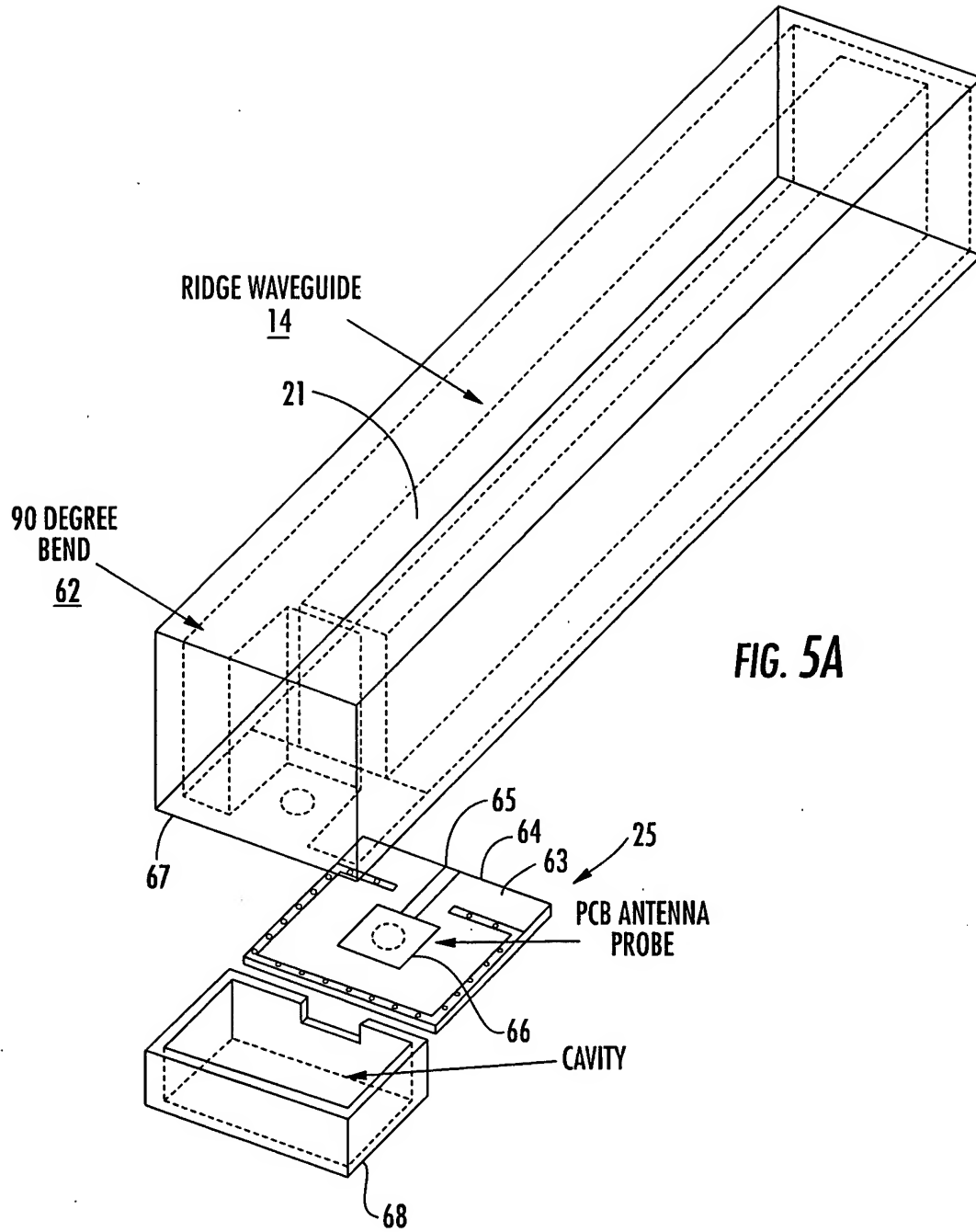
INVERTED L SHAPE WAVEGUIDE DETAILS

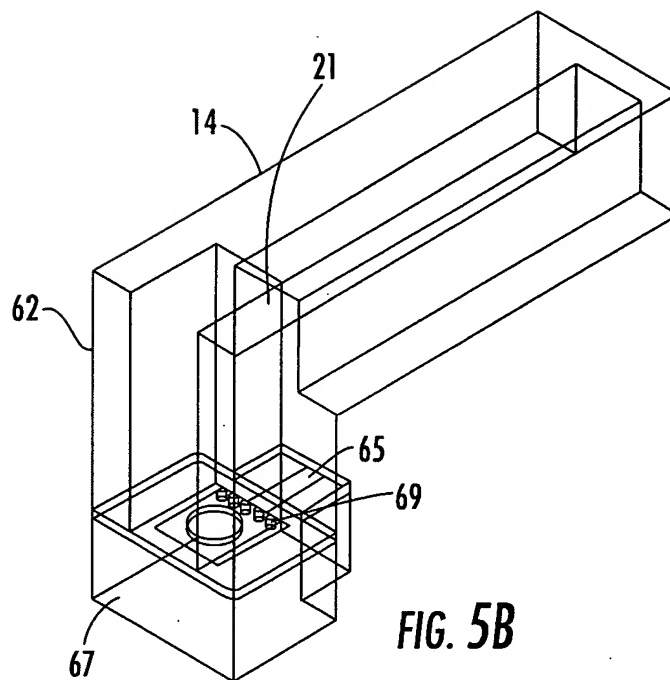




INVERTED L SHAPE WAVEGUIDE BODY AND RADIATING SURFACE DETAILS







RIDGE WAVEGUIDE BEND AND PROBE DETAILS.

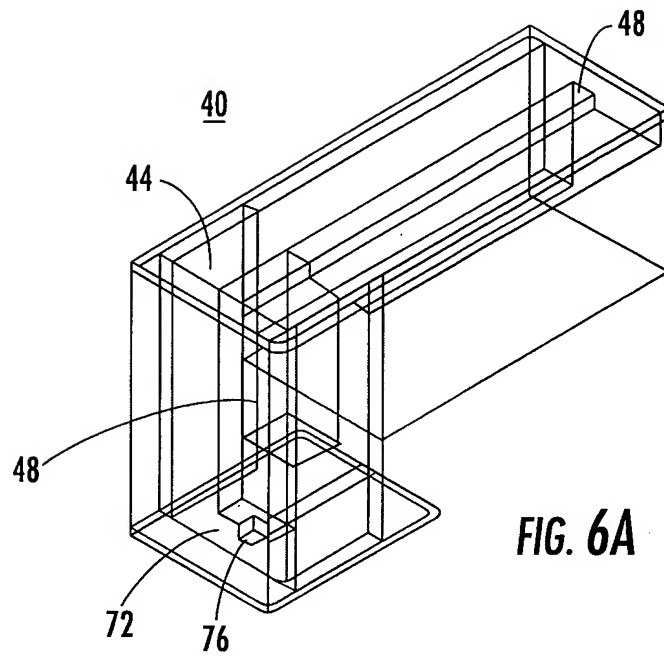


FIG. 6A

INVERTED L SHAPE WAVEGUIDE BEND AND PROBE DETAILS

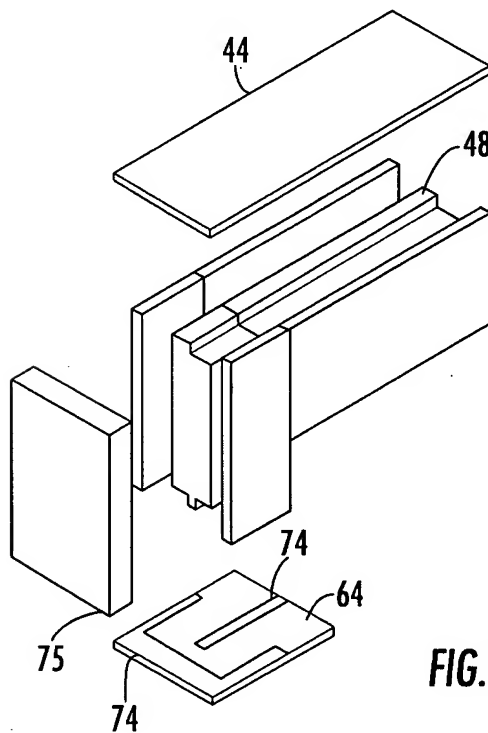


FIG. 6B

INVERTED L SHAPE BEND AND PROBE DECOMPOSITION DETAILS

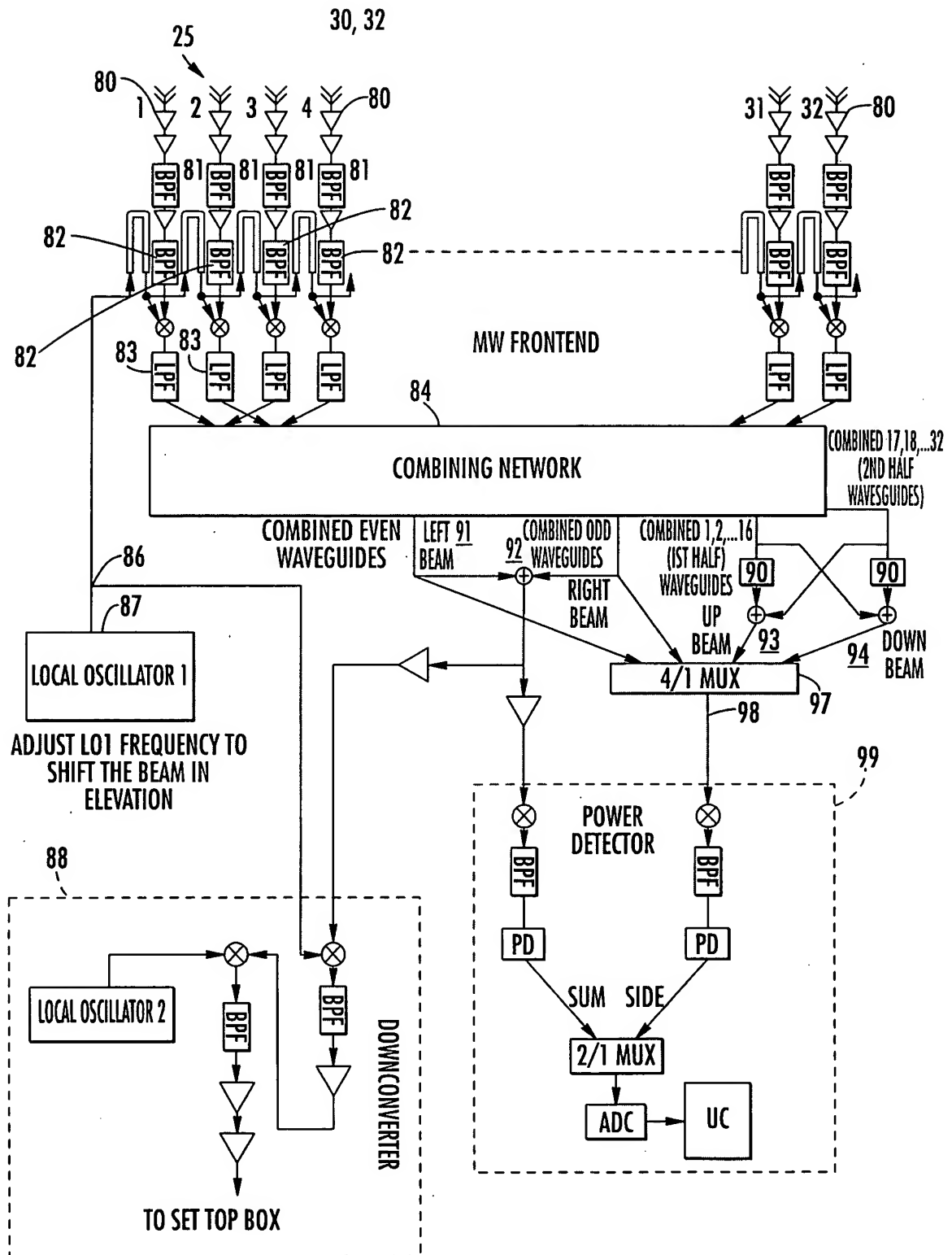


FIG. 7

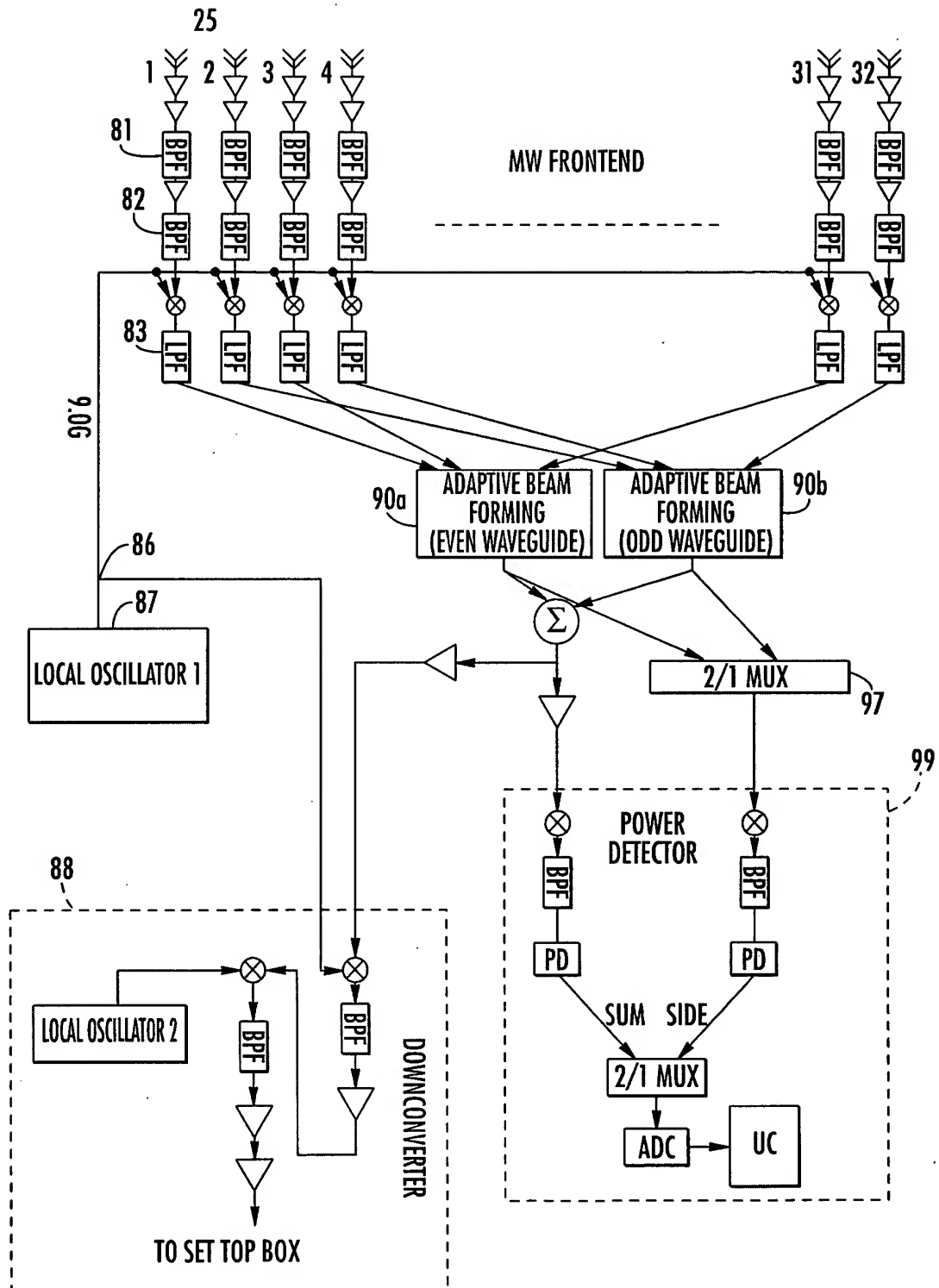


FIG. 8

2-ELEMENT BEAM FORMING- CENTER AT ELV 65, MOD BEAM SHIFT 90 DEG IN COMBINER

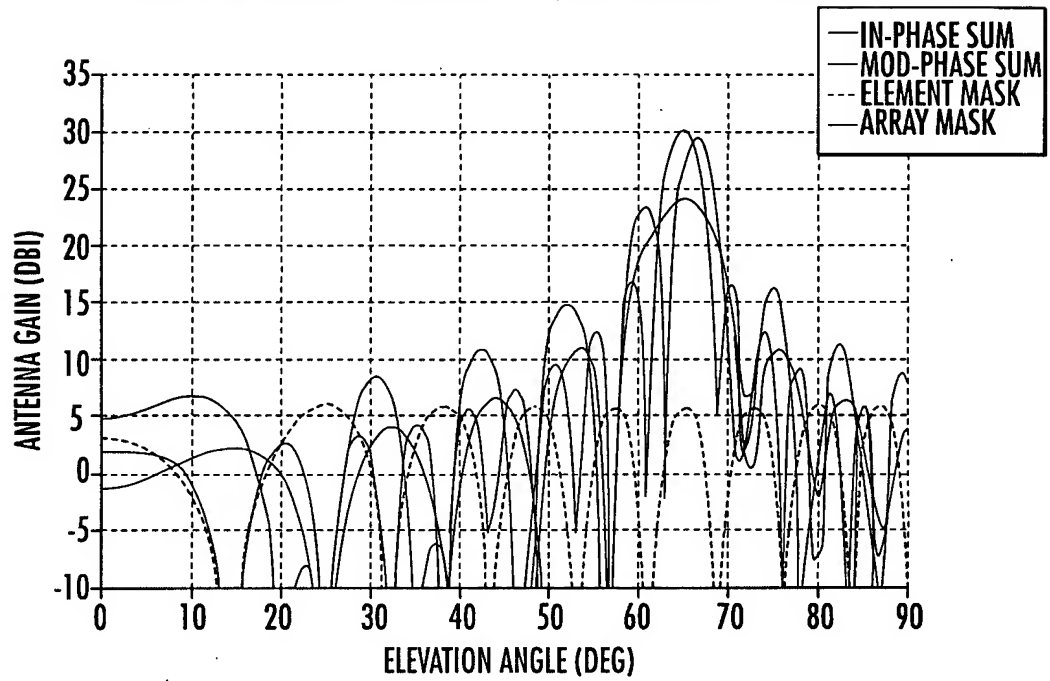
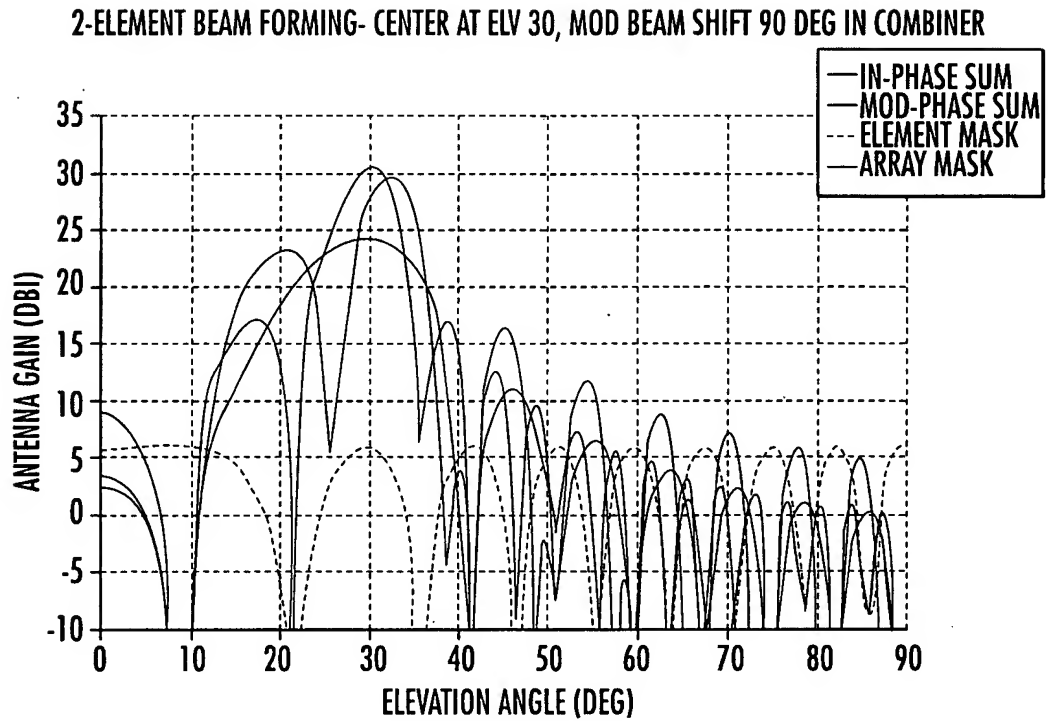


FIG. 9A

**FIG. 9B**

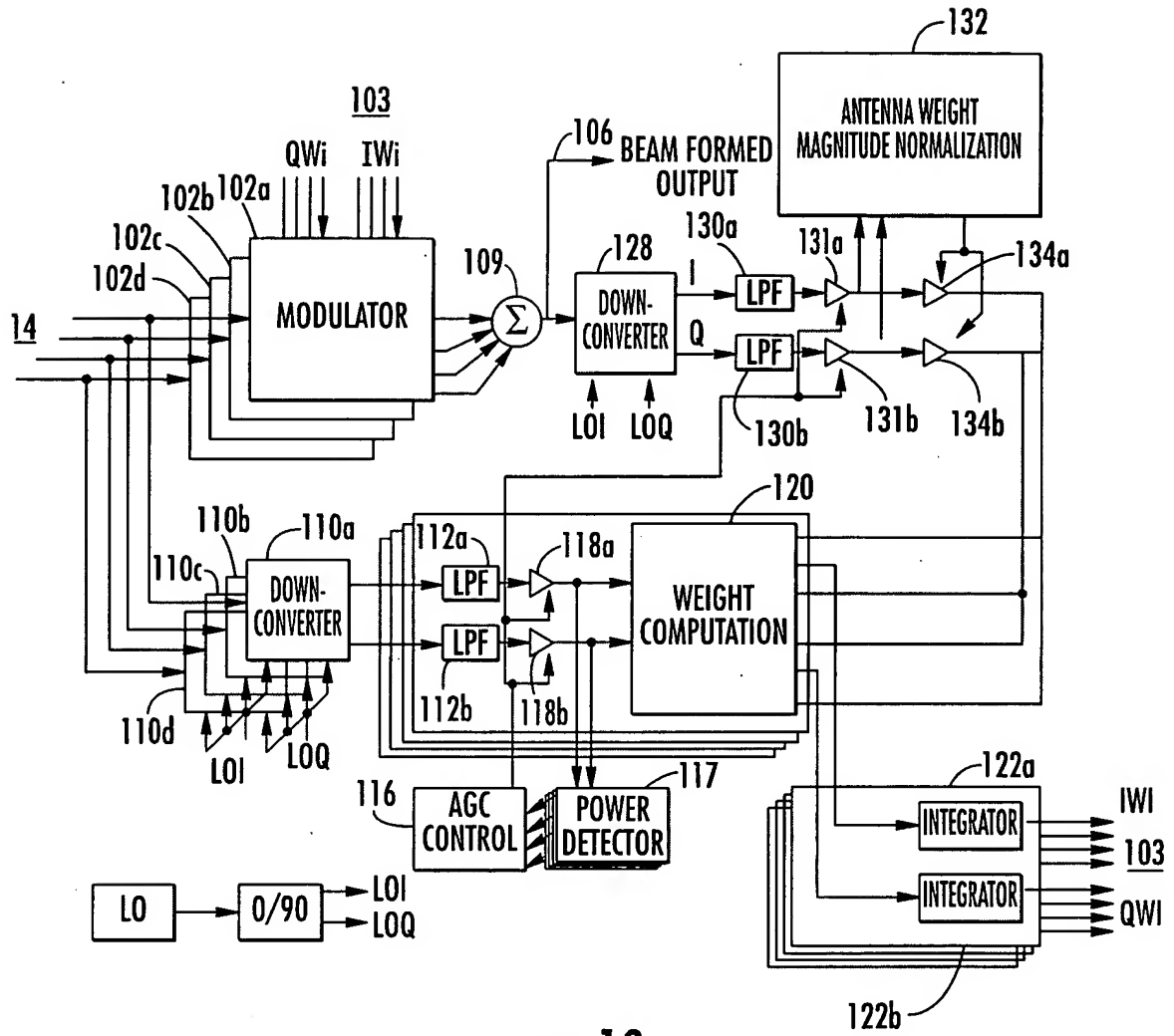


FIG. 10